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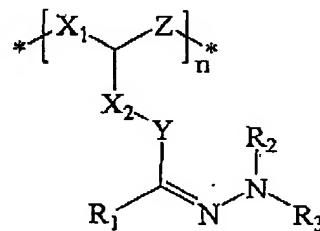
Application No. 3216.69US01

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material comprising a polymer having the formula:



where X_1 and X_2 are, each independently, a bond or a linking group;

Y comprises a bond or an arylamine group;

Z comprises a bond, O, S, or NR_4 ;

R_1 and R_4 comprise, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_2 and R_3 comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and

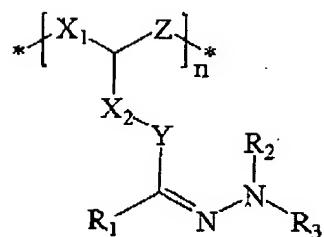
n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(b) a charge generating compound.

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2. (Original) An organophotoreceptor according to claim 1 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.
3. (Original) An organophotoreceptor according to claim 1 wherein X_1 and X_2 , each independently, comprise a bond or a $-(CH_2)_m-$ group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a, R_b, R_c, R_d, R_e, and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.
4. (Original) An organophotoreceptor according to claim 3 wherein m is 1.
5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.
6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises an electron transport compound.
7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.
8. (Currently Amended) An electrophotographic imaging apparatus comprising:
 - (a) a light imaging component; and
 - (b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:
 - (i) a charge transport material comprising a polymer having the formula

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where X_1 and X_2 are, each independently, a bond or a linking group;
 Y comprises a bond or an arylamine group;
 Z comprises a bond, O, S, or NR_4 ;
 R_1 and R_4 comprise, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;
 R_2 and R_3 comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and
 n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.

10. (Original) An electrophotographic imaging apparatus according to claim 8 wherein X_1 and X_2 , each independently, comprise a bond or a $-(CH_2)_m-$ group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

11. (Original) An electrophotographic imaging apparatus according to claim 10 wherein m is 1.

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12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

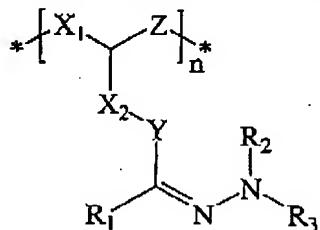
13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein second charge transport material comprises an electron transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a toner dispenser.

15. (Currently Amended) An electrophotographic imaging process comprising;

(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material comprising a polymer having the formula



where X_1 and X_2 are, each independently, a bond or a linking group;

Y comprises a bond or an arylamine group;

Z comprises a bond, O, S, or NR_4 ;

R_1 and R_4 comprise, each independently, H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_2 and R_3 comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and

n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(ii) a charge generating compound[.];

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(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

(c) contacting the surface with a toner to create a toned image; and

(d) transferring the toned image to substrate.

16. (Original) An electrophotographic imaging process according to claim 15 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.

17. (Original) An electrophotographic imaging process according to claim 15 wherein X₁ and X₂, each independently, comprise a bond or a -(CH₂)_m- group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a, R_b, R_c, R_d, R_e, and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

18. (Original) An electrophotographic imaging process according to claim 17 wherein m is 1.

19. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a second charge transport material.

20. (Original) An electrophotographic imaging process according to claim 19 wherein the second charge transport material comprises an electron transport compound.

21. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a binder.

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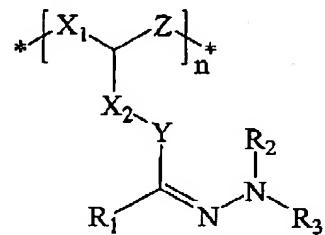
22. (Original) An electrophotographic imaging process according to claim 15 wherein the toner comprises colorant particles.

23. - 37. (Cancelled)

Please add the following new claims

38. (New) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material comprising a polymer having the formula:



where X_1 and X_2 are, each independently, a bond or a linking group;

Y comprises a bond or an arylamine group;

Z comprises a bond, O, S, or NR_4 ;

R_1 comprises an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_2 and R_3 comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_4 comprises H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and

n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(b) a charge generating compound.

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39. (New) An organophotoreceptor according to claim 38 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.

40. (New) An organophotoreceptor according to claim 38 wherein X_1 and X_2 , each independently, comprise a bond or a $-(CH_2)_m-$ group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

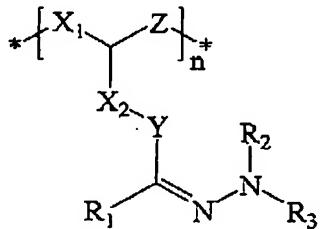
41. (New) An organophotoreceptor according to claim 38 wherein the photoconductive element further comprises a second charge transport material.

42. (New) An organophotoreceptor according to claim 41 wherein the second charge transport material comprises an electron transport compound.

(New) An electrophotographic imaging apparatus comprising:

(a) a light imaging component; and
 (b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material comprising a polymer having the formula



where X_1 and X_2 are, each independently, a bond or a linking group;

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Y comprises a bond or an arylamine group;

Z comprises a bond, O, S, or NR₄;

R₁ comprises an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R₂ and R₃ comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R₄ comprises H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and

n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(ii) a charge generating compound.

44. (New) An electrophotographic imaging apparatus according to claim 43 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.

45. (New) An electrophotographic imaging apparatus according to claim 43 wherein X₁ and X₂, each independently, comprise a bond or a -(CH₂)_m- group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_eR_f where R_a, R_b, R_c, R_d, R_e, and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

46. (New) An electrophotographic imaging apparatus according to claim 43 wherein the photoconductive element further comprises a second charge transport material.

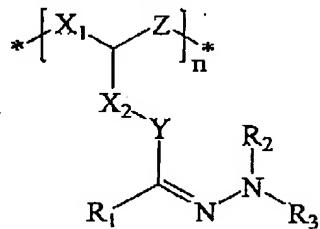
47. (New) An electrophotographic imaging apparatus according to claim 43 wherein second charge transport material comprises an electron transport compound.

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48. (New) An electrophotographic imaging process comprising;

(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material comprising a polymer having the formula



where X_1 and X_2 are, each independently, a bond or a linking group;

Y comprises a bond or an arylamine group;

Z comprises a bond, O, S, or NR_4^+ ;

R_1 comprises an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_2 and R_3 comprise, each independently, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group;

R_4 comprises H, an alkyl group, an alkenyl group, an alkynyl group, an aromatic group, or a heterocyclic group; and

n is a distribution of integers between 1 and 100,000 with an average value of greater than one; and

(ii) a charge generating compound;

(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

(c) contacting the surface with a toner to create a toned image; and

(d) transferring the toned image to substrate.

49. (New) An electrophotographic imaging process according to claim 48 wherein Y comprises a carbazolyl group or an (N-substituted)arylamine group.

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50. (New) An electrophotographic imaging process according to claim 48 wherein X_1 and X_2 , each independently, comprise a bond or a $-(CH_2)_m-$ group, where m is an integer between 1 and 10, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, Si, P, C=O, O=S=O, an NR_a group, a CR_b group, a CR_cR_d group, or a SiR_cR_f where R_a , R_b , R_c , R_d , R_e , and R_f are, each independently, a bond, H, a hydroxyl group, a thiol group, a carboxyl group, an amino group, an alkyl group, an alkoxy group, an alkenyl group, an alkynyl group, a heterocyclic group, an aromatic group, or a part of a ring group.

51. (New) An electrophotographic imaging process according to claim 48 wherein the photoconductive element further comprises a second charge transport material.

52. (New) An electrophotographic imaging process according to claim 51 wherein the second charge transport material comprises an electron transport compound.